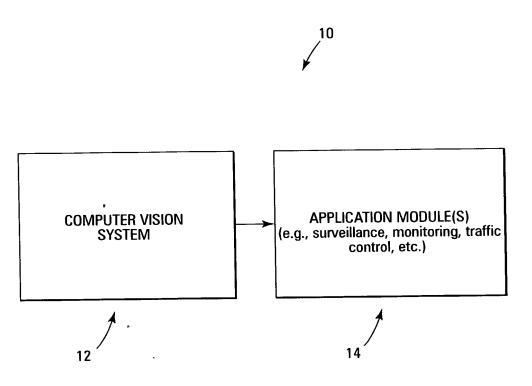
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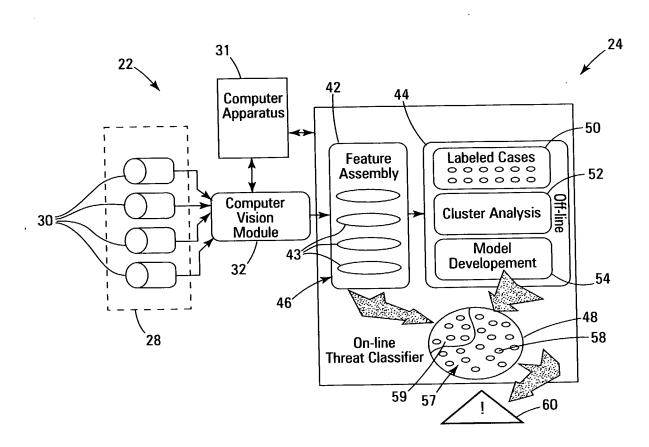


Fig. 2

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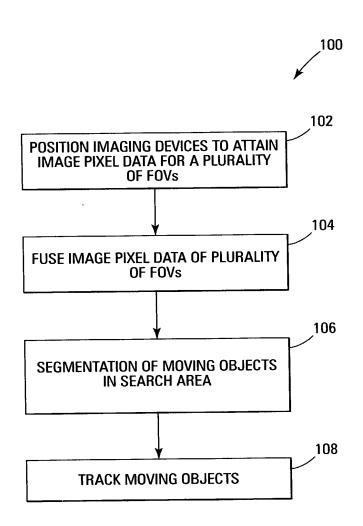


Fig. 3

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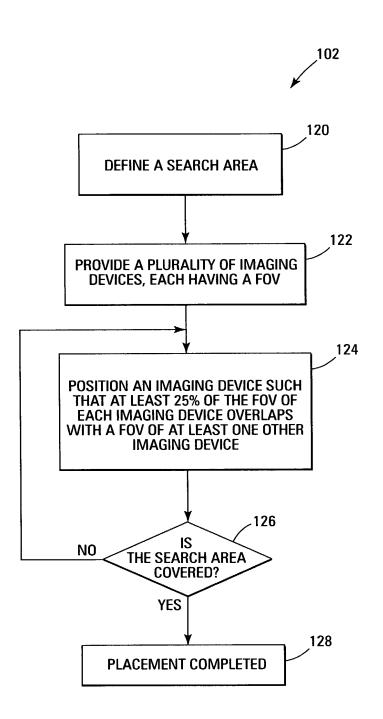


Fig. 4

Fig. 5

PROVIDE ANY ADDITIONAL ADJUSTMENTS (e.g., in view of little planar space)

220

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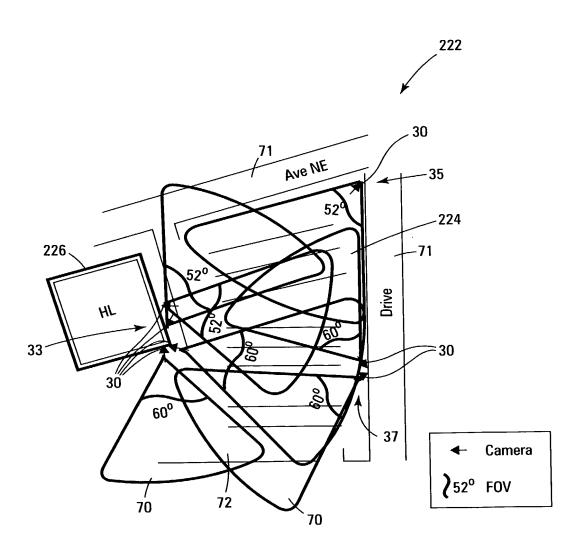


Fig. 6

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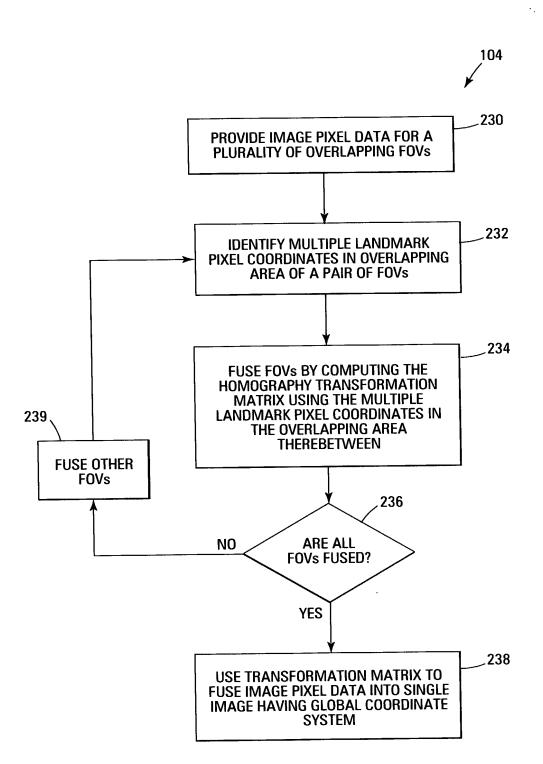


Fig. 7

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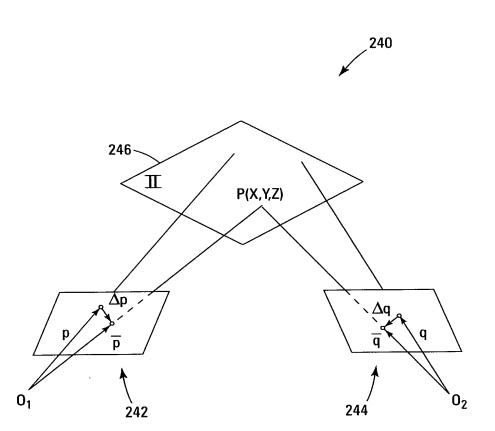


Fig. 8

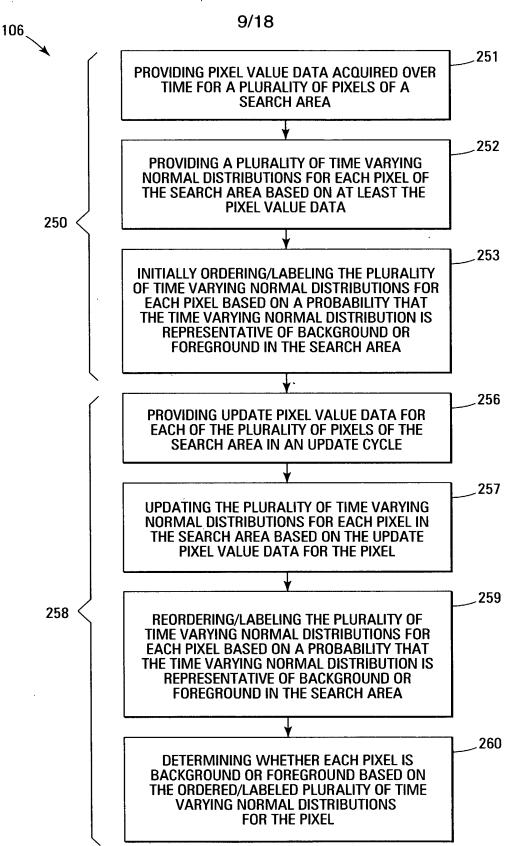


Fig. 9

Title: MOVING OBJECT ASSESSMENT SYSTEM AND METHOD Applicant(s)· PAVLIDIS et al.

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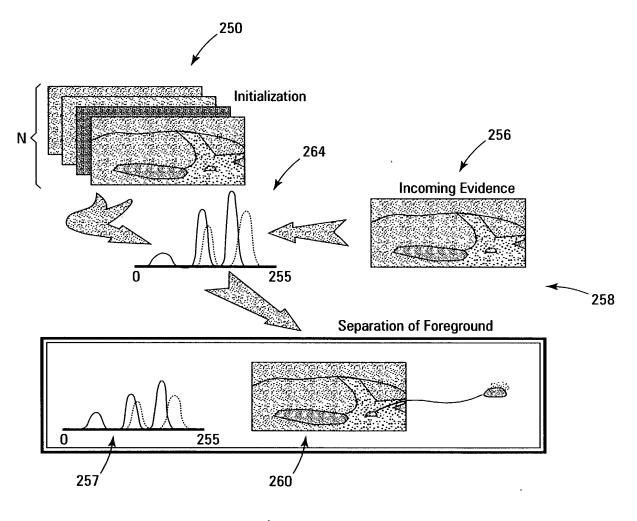


Fig. 10

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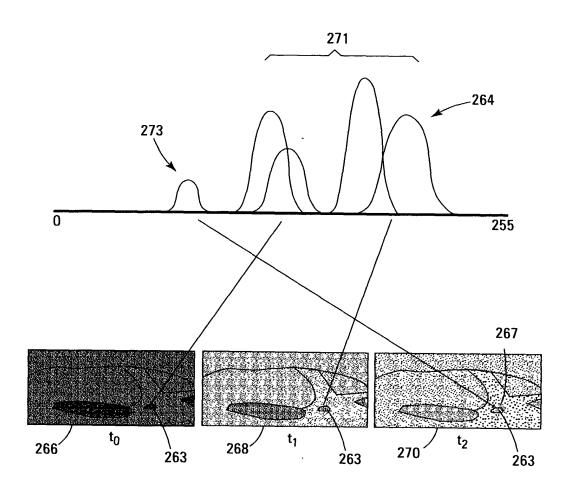
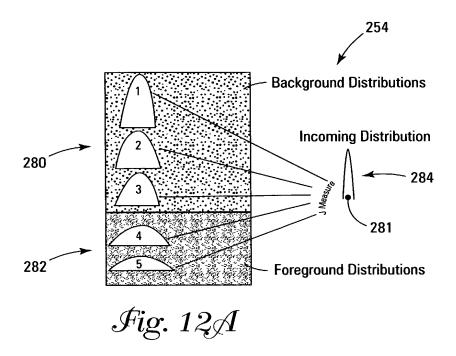


Fig. 11

Title: MOVING OBJECT ASSESSMENT SYSTEM AND METHOD Applicant(s) PAVLIDIS et al.
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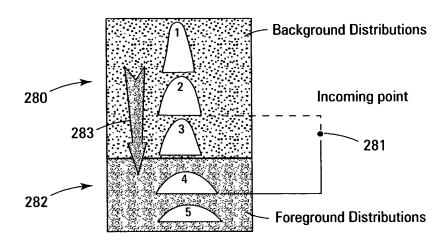


Fig. 12B

Title: MOVING OBJECT ASSESSMENT SYSTEM AND METHOD Docket: H0002442-03 Applicant(s) PAVLIDIS et al. Filed Herewith Serial No.: Unassigned Sheet 13 of 18 Express Mail No. EL 888274556 US 13/18 300 🛬 258 RECEIVE UPDATE PIXEL VALUE DATA FOR EACH OF THE PLURALITY OF PIXELS OF THE SEARCH AREA IN AN UPDATE CYCLE 302 FOR EACH PIXEL, CREATE A NARROW DISTRIBUTION THAT REPRESENTS THE UPDATE PIXEL VALUE 304 COMPUTE THE DIVERGENCE BETWEEN THE NARROW DISTRIBUTION THAT REPRESENTS THE UPDATE PIXEL VALUE FOR A PIXEL AND EACH OF ALL OF THE PLURALITY OF TIME VARYING NORMAL DISTRIBUTIONS FOR THE RESPECTIVE PIXEL 305 UPDATE THE PLURALITY OF TIME VARYING NORMAL DISTRIBUTIONS FOR THE PIXEL IN THE SEARCH AREA IN A MANNER DEPENDENT ON A MATCHING OPERATION THAT IS BASED ON **DIVERGENCE MEASUREMENTS BETWEEN THE** NARROW DISTRIBUTION AND EACH OF ALL OF THE PLURALITY OF TIME VARYING NORMAL DISTRIBUTIONS FOR THE RESPECTIVE PIXEL 306 REORDERING/LABELING THE PLURALITY OF TIME VARYING NORMAL DISTRIBUTIONS FOR THE PIXEL BASED ON A PROBABILITY THAT THE TIME VARYING NORMAL DISTRIBUTION IS REPRESENTATIVE OF BACKGROUND OR FOREGROUND IN THE SEARCH AREA 307 COMMIT THE STATE OF THE RESPECTIVE PIXEL TO A FOREGROUND OR BACKGROUND STATE BASED ON THE REORDERED/LABELED PLURALITY OF TIME VARYING NORMAL DISTRIBUTIONS FOR THE PIXEL 308 **ARE ALL** NO **DESIRED PIXELS** COMMITTED TO A STATE YES 310 **OPTIONALLY DISPLAY IMAGE OF** Fig. 13 FOREGROUND/BACKGROUND

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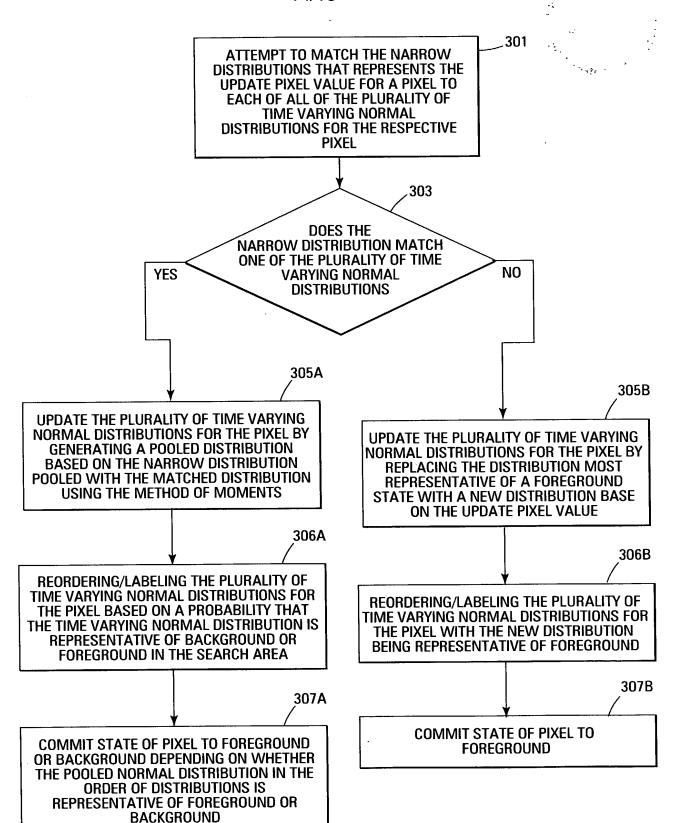
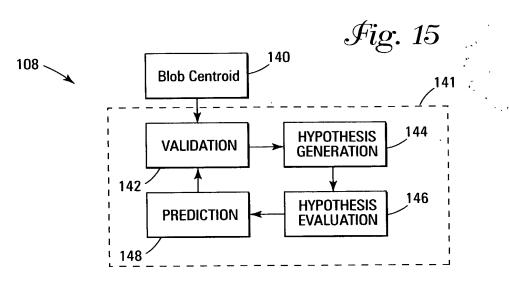


Fig. 14

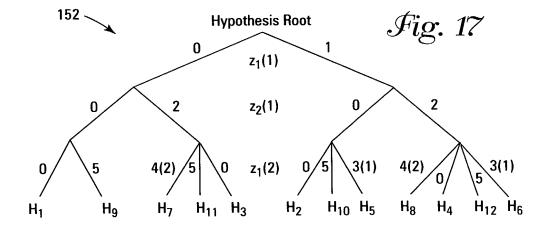
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Hypothesis	z ₁ (1)	z ₂ (1)	z ₁ (2)	Track No.	
H ₁	0	0	-	0	
H ₂	1	0	-	1	150
H ₂	0	2	_	2	
H ₄	1	2	-	1,2	
H ₅	1	0	3(1)	3 2,3	
H ₆	1	2	3(1)	2,3	to 10
H ₇	0	2 2 2	4(2)	4	Fig. 16
H ₈	1	2	4(2)	1,4 5	
H ₉	0	0	5		
H ₁₀	1	0	5	1,5	
H ₁₁	0	2	5	2,5	
H ₁₂	1	2	5	1,2,5	



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_162 CONVERT TRACKS OF MOVING **OBJECTS INTO COORDINATE SYSTEM** OF SEARCH AREA (e.g., drawing of search area including landmarks) _164 PROVIDE PREDEFINED FEATURE MODEL(S) CHARACTERISTIC OF NORMAL AND ABNORMAL MOVING **OBJECTS** .166 **PROVIDE FEATURES SUCH AS** TRAJECTORIES AND CALCULATED FEATURES ASSOCIATED WITH TRACK(S) REPRESENTATIVE OF A **MOVING OBJECT** 168 **COMPARE FEATURES ASSOCIATED** WITH TRACK(S) TO PREDEFINED FEATURE MODEL CHARACTERISTIC OF NORMAL AND/OR ABNORMAL MOVING OBJECTS (e.g., threatening versus nonthreatening moving persons/cars) 170 ـ **DETERMINE WHETHER A MOVING OBJECT IS NORMAL OR ABNORMAL BASED ON THE COMPARISON**

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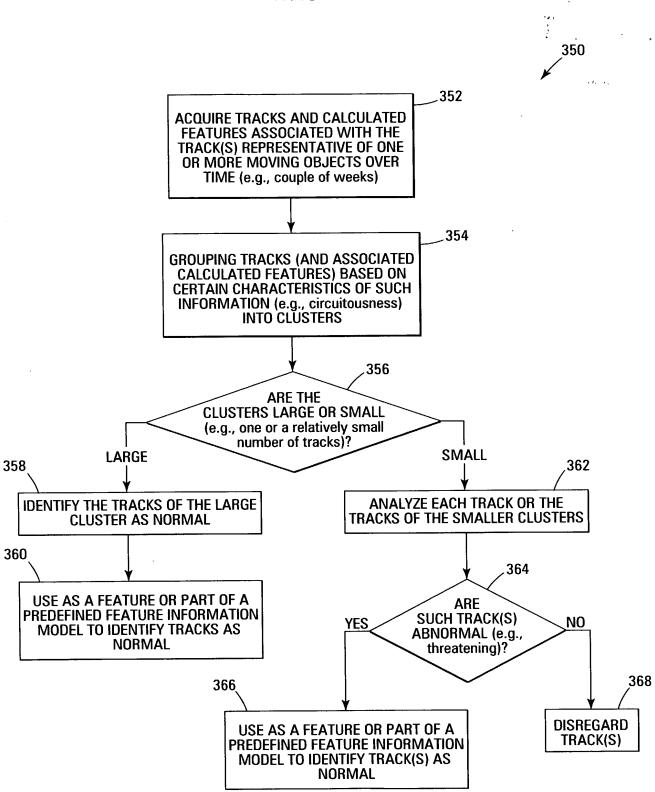


Fig. 19

Title MOVING OBJECT ASSESSMENT SYSTEM AND METHOD Applicant(s). PAVLIDIS et al.
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